CK-2225
CK-2225B

PITT RIVER 24.6km

2022 Inspection

CBR iPad Offline Ver 0.36

CBR Data

Latitude	Longitude
49°42'38.59"	-122°42'49.7"

Site Status	Active		
Insp. Status	Inspect		
Crossing Name	Blue Creek		
FSR #	8394	Branch #	1
Road Name	PITT RIVER		
User km	24.6		
Previous Load Rating (tonnes)	68		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Log Stringers		
Deck Type	Gravel		
Abutment Left	Crib, Log or Untreated Timber		
Abutment Right	Crib, Log or Untreated Timber		
Spans	1		
Total Length (m)	16		
Deck Width (m)	8		

Updated Data

Latitude	Longitude
49°42'39.48"	-122°42'55.65"

HD Diff. (m)	121.9	Accuracy (m)	5

L30 or 27 tonnes

Inspection

Date of Inspection: 2022-10-17 11:50:53 AM

Recommended Next Inspection: 2024

Inspector Name: Cameron VandenBrink, EIT

Inspection Company: Chartwell Resource Group Ltd

Inspector Comments

Serial/ID Plate

Average between left and right bearing for mid span diameter. Drilled all stringers right bank. Pocket/dry rot throughout structure. Stringer rot depths consistent with dry rot depth where noted.

P.Eng Comments

L30 or 27 tonnes rating. The structure also has the capacity for a 20 tonnes excavator. Post load rating signs. Brush approaches and post bridge ahead signs.

PERMIT TO PRACTICE: 1003022

Approach

Alignment	Fair	HC both approaches
Bridge Ahead Signs Missing	○ 0 ○ 1 ● 2	
Brushing Required	Y	
Delineator Missing Left	● 0 ○ 1 ○ 2	
Delineator Missing Right	● 0 ○ 1 ○ 2	
Fender Condition	Fair	Old logs, low on left approach
Posted Load Rating		Not posted
Road Surface	Fair	

Abutment

Log/Timber Cribs	Good	3 high
Tie Backs	Good	3x
Bin Wall		
Pier		
Concrete		
Caps or Sills		
Piles or Posts		
Ballast Wall		
Wing Wall		
Bracing		
Hardware	Good	Well lashed
Fill	Good	
Riprap	Fair	Sparse beneath bridge.
Bearings	Good	
Corrosion Protection		

Deck

Running Surface		
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts		
Concrete Deck		
Grout Pockets		
Deck Joints		
Steel Deck Plate		
Gravel Surface	Fair	Some gravel deck material getting lost beneath curb logs through cross puncheon.
Curb Rail/Blocks/Posts		
Hand Rails/Walkouts		
Hardware	Good	Well lashed
Overall Deck Condition	Fair	
Gravel Depth (mm)	200	Atop average 300mm hemlock puncheon
Pier Deck		

Steel/Concrete

Girders

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted shear connectors

Log

Log Curbs

Needle Beam

Needle Lashing/ Shimming

Stringer Number	Needle Beam to Crib (m) Species	Peeled	Needle Diameter (mm) Diameter (mm)	Rot Depth (mm)	Condition	Comment
1	Fd	Y	755	60	Fair	
2	Fd	Y	725	50	Fair	
3	Fd	Y	725	50	Fair	
4	Fd	Y	855	80	Fair	
5	Fd	Y	830	60	Fair	
6	Fd	Y	815	53	Fair	
7	Fd	Y	88	60	Fair	
8	Fd	Y	795	55	Fair	
9	Fd	Y	930	50	Fair	Dry rot at bearing
10	Fd	Y	875	60	Fair	
11	Fd	Y	820	60	Fair	Dry rot left end
12	Fd	Y	855	90	Fair	

Hazards

Estimated Present Water Level Depth (m)	.4	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	8	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance	1.4	Ic ☐	

Comments

Repairs and Monitoring

	Repair Item	Repair Description
1	Approach. Bridge Ahead Signs. # of signs. Priority:Low	
2	Approach. Area/sight line brushing. m². Priority:Low	
3	Structure. Add Load Rating Signs. # sites. Priority:Medium	
4		
5		
6		
7		

	Item	Monitor Description	Frequency
1	Riprap		Routine Inspection
2			
3			

Approach from bridge deck of Right bank approach when facing downstream

Downstream from Crossing

Approach from bridge deck of Left bank approach when facing downstream

Upstream from Crossing

Approach from Left Bank when facing downstream

Material loss beneath curb log.

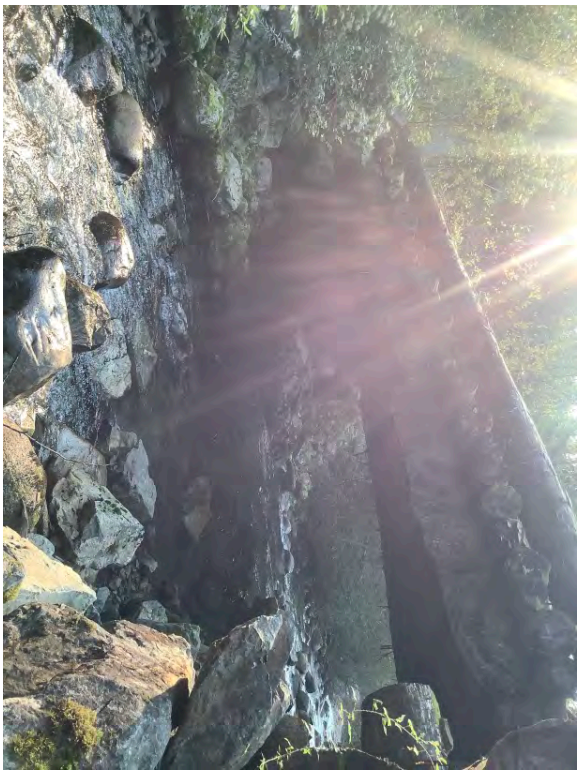
Left Bank Abutment when facing downstream

Approach from Right Bank when facing downstream

Right Bank Abutment when facing downstream

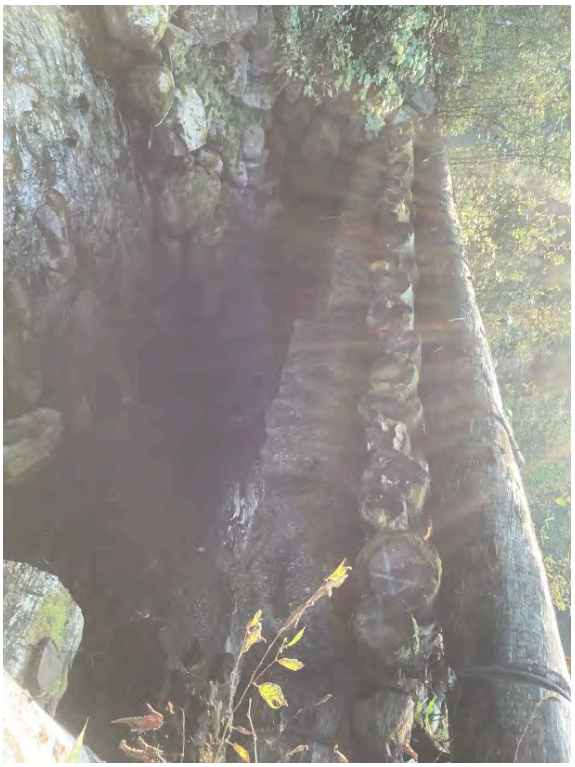
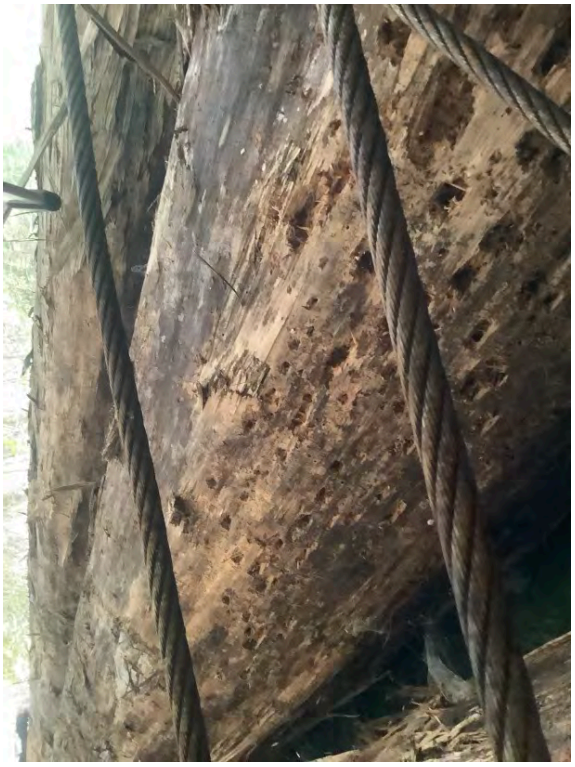
Stringers

Upstream Profile



Stringers

Cross puncheon



Stringer 11 dry rot, 1.5m inside bearing left bank